

WHAT IS CLAIMED IS:

1. A video network platform for managing video network devices, the video network platform comprising:

5 a network interface module operable to interface with the devices and to represent a device as an interface object;

one or more management applications operable to manage a device represented as an application object; and

10 an adapter engine associated with the network interface module, the adapter engine operable to create an application object for a device, the application object corresponding to the interface object for the device.

15 2. The video network platform of Claim 1 further comprising:

an override interface object associated with the network interface, the override object operable to accept a request meant for an interface object and to  
20 direct the request to an application object corresponding to the interface object.

3. The video network platform of Claim 1 further comprising:

25 a discovery engine associated with the network interface, the discovery engine operable to detect devices and initiate creation of an object to represent a detected device.

4. The video network platform of Claim 3 wherein  
the discovery engine initiates creation of an application  
object by the adapter engine, the adapter engine further  
operable to initiate creation of a corresponding  
5 interface object by the network interface.

5. The video network platform of Claim 4 wherein  
the adapter engine incorporates attributes of the  
interface object into the corresponding application  
10 object.

6. The video network platform of Claim 1 wherein  
the interface object comprises a managed object.

7. The video network platform of Claim 1 wherein  
the application object comprises a Management Bean.  
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8. The video network platform of Claim 1 wherein  
the management application comprises a scheduling  
20 application.

9. The video network platform of Claim 1 wherein  
the management application comprises a diagnostics  
application.  
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10. The video network platform of Claim 1 wherein  
the management application comprises a monitoring  
application.

11. A method for managing video network devices,  
the method comprising:

detecting a video device interfaced with the  
network;

5       creating an application object for the device;  
      applying the application object to build an  
interface object corresponding to the application object,  
the interface object obtaining interface information from  
the device;

10       forwarding the interface information to the  
application object; and

      populating the application object with device  
information.

15       12. The method of Claim 11 wherein the application  
object comprises a Java management bean.

      13. The method of Claim 11 wherein the application  
object comprises a Web NMS Managed Object.

20       14. The method of Claim 11 further comprising:  
      interfacing a management application with a  
device through the application object corresponding with  
the device.

25       15. The method of Claim 14 wherein the management  
application comprises a scheduling application.

      16. The method of Claim 14 wherein the management  
30 application comprises a diagnostics application.

17. The method of Claim 14 wherein the management application comprises a monitoring application.

18. The method of Claim 11 wherein applying the application object to build an interface object further comprises:

applying dynamic attribute query capabilities to populate a corresponding interface object.

19. The method of Claim 11 wherein applying the application object to build an interface object further comprises:

creating an interface object that corresponds to the application object.